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Serial No. 09/681,116

Claims 1, 10, 17 and 24 have been amended.

The drawings were objected to under 37 CFR 1.83(a) for failing to show the step of shifting the bicycle transmission into a lowest gear. Step 1032 of FIG. 13 has been corrected to recite "shift to lowest gear." All drawing corrections are shown in red. No new matter has been added.

Claims 24-28, 31 and 32 were rejected under 35 U.S.C. 112 as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Claim 24 has been amended to conform to the statute.

Claims 1-32 were rejected under 35 U.S.C. 102(e) as being anticipated by Spencer et al., US 6,047,230. Claims 1, 17 and 24 have been amended to state that the bicycle is automatically shifted based on only a stored wheel speed. Spencer discloses an automatic bicycle shifting system that includes a setting or a learn mode. During the learn mode, the controller stores several variables such as wheel speed, drive rate, torque-transmitting member tension, vehicle inclination, and gear changer position that the controller uses later to determine when to automatically shift between gears, see specification at col. 14, lines 52-63 and claims 23 and 25. In contrast, the automatic bicycle shifting system of the present invention only uses wheel speeds stored during the setting mode to determine when to automatically shift between gears. Therefore, Spencer fails to disclose an automatic bicycle shifting system that stores wheel speeds during a setting mode and based on only those stored wheel speeds automatically shifts the bicycle between gears. For this reason, it is respectfully submitted that claims 1-32 are not anticipated by Spencer.

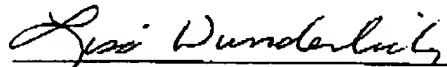
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This amendment is believed to be fully responsive to the comments and suggestions of the Examiner and to place this application in condition for allowance. Favorable action is requested.

Respectfully submitted,

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